

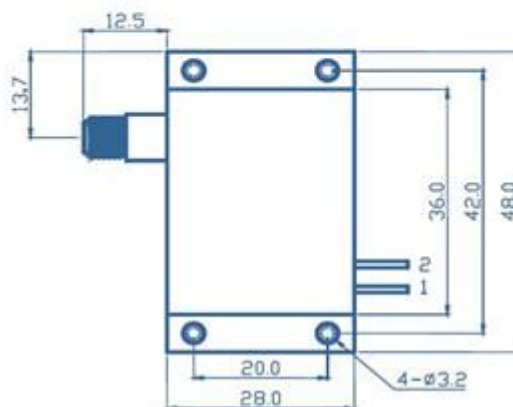
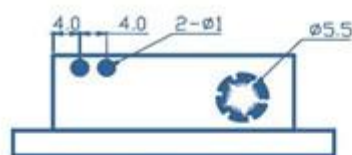
Characteristics
Output Power 30W
Wavelength: 808nm
Fiber Coupling 400μm
Fiber Core Dia. 0.22NA
Applications
Laser pumping, Medical use, Material processing

Parameter		Symbol	Typical	Unit
Optical	CW Out Power	P_{op}	30	W
	Center Wavelength	λ	808±3	nm
	Spectral Width (90% of Power)	$\Delta \lambda$	<3	nm
	Wavelength Shift width Temperature	$\Delta \lambda / \Delta T$	0.3	nm / °C
Electrical	Threshold Current	I_{th}	1.8	A
	Operating current	I_{op}	9.0	A
	Operating Voltage	V_{op}	7.2	V
	Slop Efficiency	η_{es}	4.0	W / A
	Power Conversion Efficiency	η_{ep}	45	%
Fiber	Fiber Core Diameter	d_{core}	400	μm
	Numerical Aperture	NA	0.22	-
	Connector	-	SMA905	-

Other Parameters

Parameter	Operating Temperature/°C	Operating Relative Humidity/%	Storage Temperature/°C	Storage Relative Humidity/%	Lead Soldering Temperature, 10s max/°C
Min	10	-	-20	-	-
Max	40	75	80	90	250

Package Dimensions (mm)



Pins and Functions			
Pin	Function	Pin	Function
1	LD(-)	6	Aiming Beam LD(-)
2	LD(+)	7	PD(N)
3	Connector Detector(+)	8	PD(P)
4	Connector Detector(-), Caser*	9	Thermistor
5	Aiming Beam LD(+)	10	Thermistor



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